

e LIGHTING DO'S AND DON'TS

- ✓ Reduce lighting levels where possible and **remove unnecessary lamps**.
- ✓ **Split lighting circuits into zones** so that only the parts of the room that need lighting can be illuminated.
- ✓ **Switch off lights** at times when there is **low, or no activity**.
- ✓ **Install switches, timers, dimmers, photocells and motion detectors**. Make sure these controls are sited at convenient locations.
- ✓ Make the most of **daylight**.
- ✓ Improve the **reflection** of lamps from walls, ceilings and floors by using lighter, brighter colours.
- ✓ **Clean light fixtures regularly**, especially where grease, lint, dust, humidity and insects can obscure the surface of the lamps over time.
- ✓ Consider your **choice of lampshade** carefully – heavy or dark shades will reduce the amount of light entering the room. Use more translucent shades for guest rooms
- ✓ Make use of **incentive schemes** offered by your national or local government to help with energy efficiency. You may qualify for a free visit by a lighting specialist.



Maximising use of daylight at the InterContinental Hotel, Paris

- ✓ **Check your building regulations** before commencing a new build or refurbishment as updated versions may impose more stringent lighting efficiency targets.
- ✓ Consider **replacing all the lamps in a lighting system together**. It will save labour, keep lumen levels high, and avoid stress to ballasts through dying lamps. Lamps can lose 20–30 per cent of their light output over their service life.
- ✓ Talk to the **people who will use the area** being lit before embarking on a re-lighting project.
- ✓ Consider the **quality of light** you want for certain areas. CFLs provide a flatter light compared with low-wattage HID sources which have more character and sparkle. LEDs provide a light that is similar to natural daylight.
- ✓ Source lamps from a **reputable manufacturer**. Many of the cheaper imports fail quickly and can be a false economy.
- ✓ Check that your supplier will **take back old lamps and dispose of them responsibly** or ensure they are treated as special waste. Nearly all fluorescent lamps contain small amounts of mercury. **SEE SECTION 8.5**